



LOCTITE[®] 8104[™]

June 2005

PRODUCT DESCRIPTION

LOCTITE[®] 8104[™] provides the following product characteristics:

Technology	Oil & Grease
Chemical Type	Silicone oil/Silica gel
Appearance	Colorless grease ^{LMS}
Cure	Not applicable
Application	Lubrication

LOCTITE[®] 8104[™] is a silicone valve and packing grease suitable for use on equipment in the food processing industry. It may also be used on bearings at low speeds. This product is suitable for lubricating plastic and elastomeric components (e.g. valves and joints in hot and cold water systems). May be used to assist fitting of "o" rings. This product is typically used in applications with an operating range of -50 °C to +200 °C.

NSF International

Certified to ANSI/NSF Standard H1 for use with incidental food contact in all food processing facilities.

TYPICAL PROPERTIES

Density, ISO 12185 @ 25 °C, g/cm ³	0.9 to 1.0 ^{LMS}
Flash Point - See MSDS	
Penetration, ISO 2137, 1/10mm	220 to 250 ^{LMS}
Copper Corrosion, 3 hours @ 100 °C, ISO 2160	1a
Consistency, DIN 51818, NLGI Class	2 to 3
EMCOR Test, DIN 51802	1
DN Factor (Ndm), max.	50,000
Bomb Oxidation, ASTM D942, N/mm ² drop: 100 hours	0.034

GENERAL INFORMATION

For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

Directions for use

1. Apply to clean parts where possible, as conventional grease, by means of brush, spatula or grease gun. LOCTITE[®] 8104[™] may be used in automatic lubrication systems.
2. LOCTITE[®] cleaners 7063[™] or 7070[™] may be used to remove grease residues from nipples and lubricated parts.
3. Follow manufacturer's recommendation for lubrication of bearings (e.g. quantity, frequency, etc.).
4. Avoid excessive greasing. Other grease residues may not be compatible with LOCTITE[®] 8104[™].
5. Do not apply to conveyors while food is being transported.

Loctite Material Specification^{LMS}

LMS dated April 22, 2004. Test reports for each batch are available for the indicated properties. LMS test reports include selected QC test parameters considered appropriate to specifications for customer use. Additionally, comprehensive controls are in place to assure product quality and consistency. Special customer specification requirements may be coordinated through Henkel Quality.

Storage

Store product in the unopened container in a dry location. Storage information may be indicated on the product container labeling.

Optimal Storage: 8 °C to 21 °C. Storage below 8 °C or greater than 28 °C can adversely affect product properties.

Material removed from containers may be contaminated during use. Do not return product to the original container. Henkel Corporation cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Technical Service Center or Customer Service Representative.

Conversions

(°C x 1.8) + 32 = °F
 kV/mm x 25.4 = V/mil
 mm / 25.4 = inches
 μm / 25.4 = mil
 N x 0.225 = lb
 N/mm x 5.71 = lb/in
 N/mm² x 145 = psi
 MPa x 145 = psi
 N·m x 8.851 = lb·in
 N·m x 0.738 = lb·ft
 N·mm x 0.142 = oz·in
 mPa·s = cP

Note

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Reference 1.0